

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042095.D
 Acq On : 28 Jun 2024 18:58
 Operator : JC/MD
 Sample : P3128-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-625-627

Quant Time: Jun 29 04:24:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

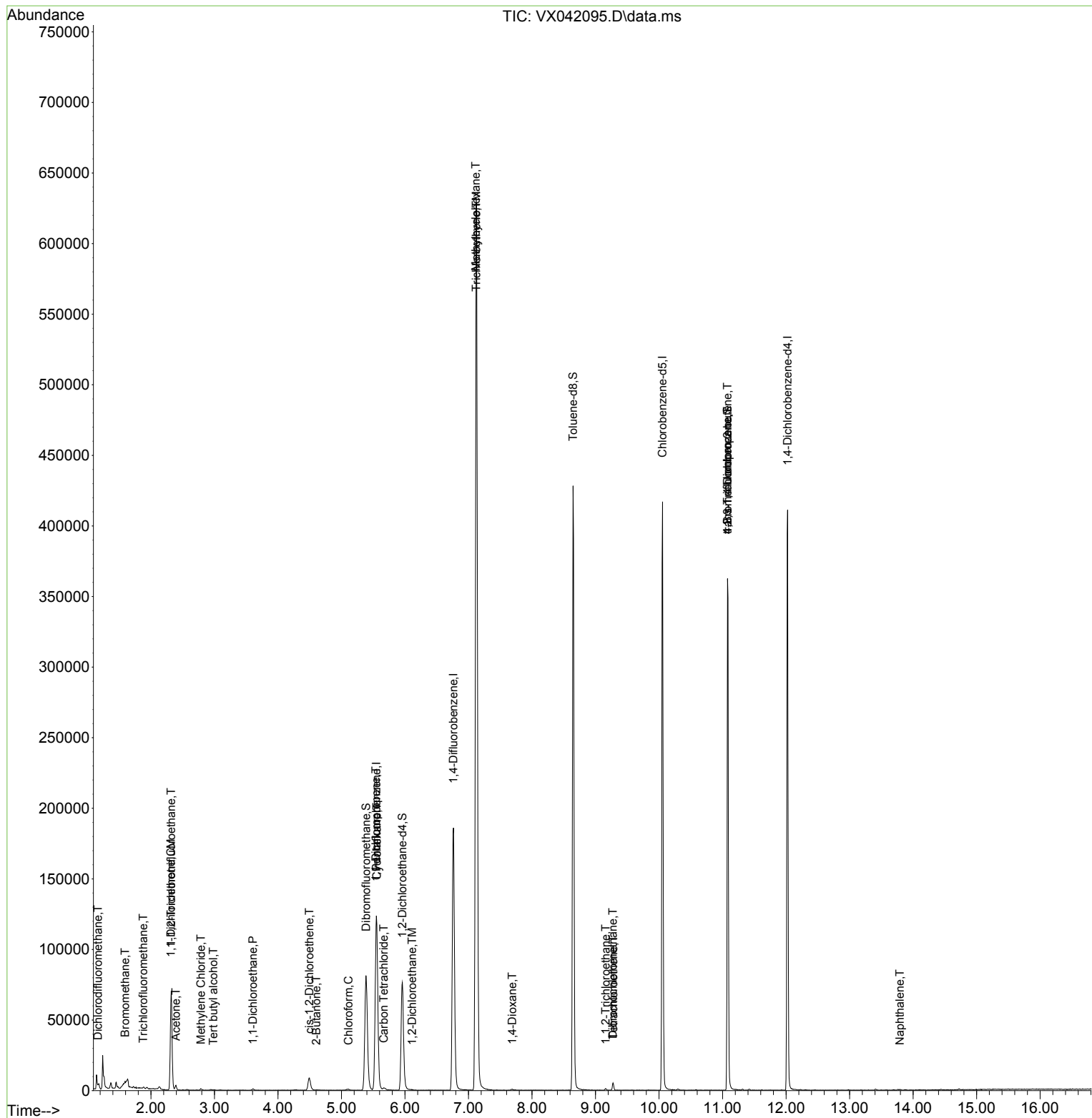
Internal Standards						
1) Pentafluorobenzene	5.550	168	138891	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212578	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73800	46.079	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.160%		
35) Dibromofluoromethane	5.385	113	72237	47.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.780%		
50) Toluene-d8	8.647	98	269021	50.769	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.540%		
62) 4-Bromofluorobenzene	11.079	95	98197	50.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.540%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	842	0.796	ug/l	87
5) Bromomethane	1.593	94	224	0.341	ug/l	99
6) Chloroethane	1.660	64	188	Below Cal	#	43
7) Trichlorofluoromethane	1.880	101	463	0.266	ug/l	# 68
9) 1,1,2-Trichlorotrifluo...	2.319	101	24564	20.454	ug/l	# 85
11) Tert butyl alcohol	2.983	59	389	1.280	ug/l	# 78
12) 1,1-Dichloroethene	2.313	96	3454	2.883	ug/l	90
16) Acetone	2.392	43	2761	3.926	ug/l	93
20) Methylene Chloride	2.788	84	551	0.358	ug/l	# 83
24) 1,1-Dichloroethane	3.605	63	1377	0.612	ug/l	# 84
25) 2-Butanone	4.605	43	360	0.329	ug/l	# 51
27) cis-1,2-Dichloroethene	4.495	96	6482	4.257	ug/l	76
30) Chloroform	5.111	83	1108	0.473	ug/l	95
31) Cyclohexane	5.556	56	1800	0.961	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7749	4.838	ug/l	# 50
38) Carbon Tetrachloride	5.666	117	1270	0.718	ug/l	87
39) Methylcyclohexane	7.117	83	2700	1.333	ug/l	# 1
42) 1,2-Dichloroethane	6.111	62	423	0.243	ug/l	# 77
44) Trichloroethene	7.123	130	275041	189.943	ug/l	86
49) 1,4-Dioxane	7.690	88	733	37.695	ug/l	# 91
55) 1,1,2-Trichloroethane	9.159	97	474	0.331	ug/l	# 89
60) Dibromochloromethane	9.275	129	971	0.624	ug/l	# 11
64) Tetrachloroethene	9.281	164	1151	0.753	ug/l	# 80
76) 1,2,3-Trichloropropane	11.079	75	44829	24.502	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	44829	69.583	ug/l	# 5
95) Naphthalene	13.792	128	409	0.804	ug/l	# 69

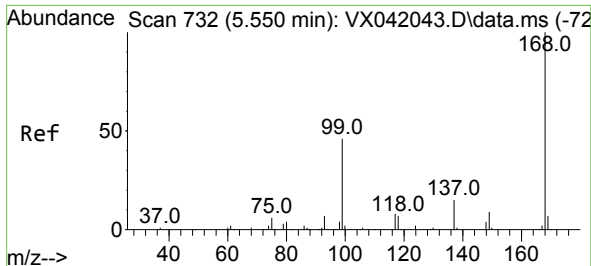
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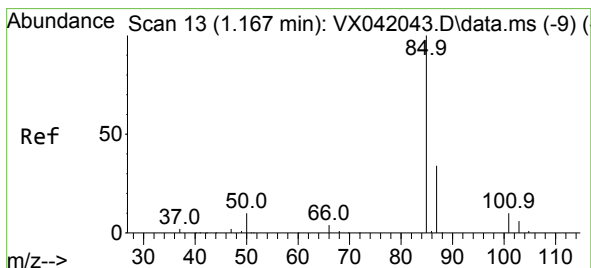
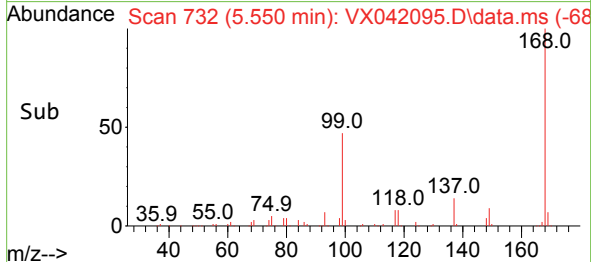
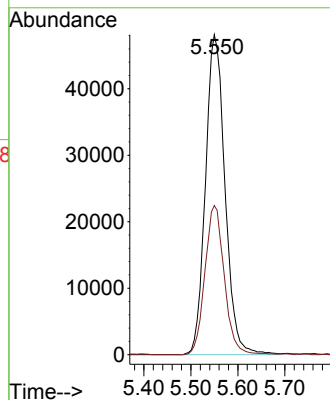
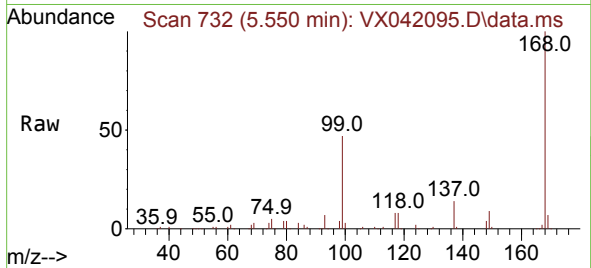




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

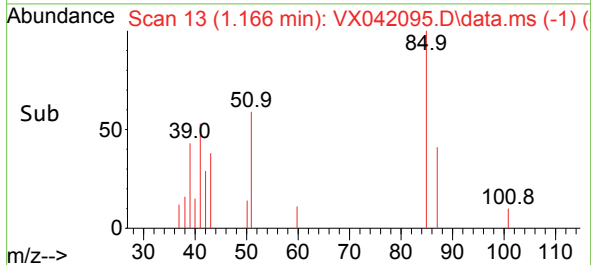
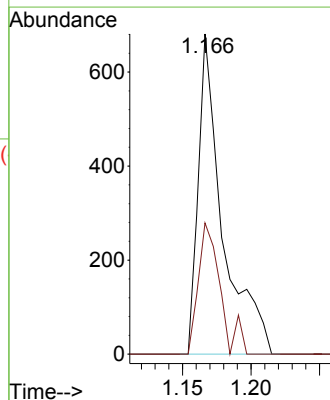
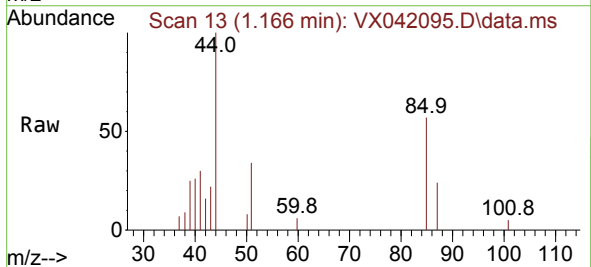
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

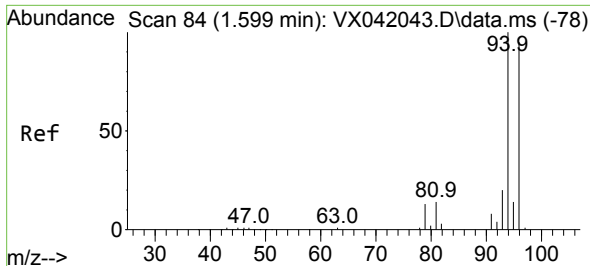
Tgt Ion:168 Resp: 138891
Ion Ratio Lower Upper
168 100
99 46.6 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.796 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 85 Resp: 842
Ion Ratio Lower Upper
85 100
87 41.0 16.7 50.1

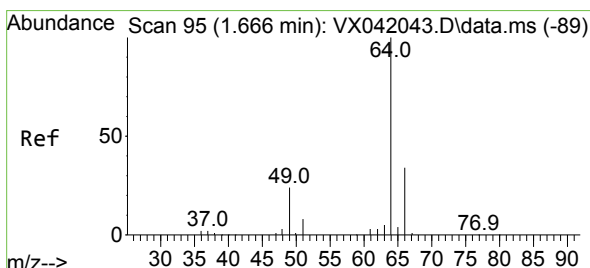
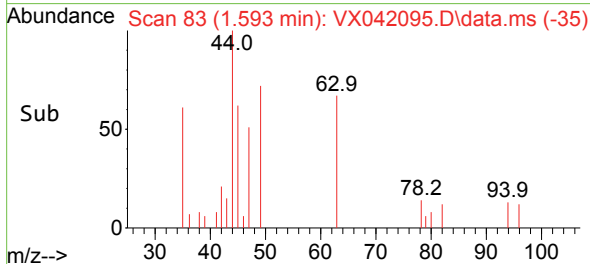
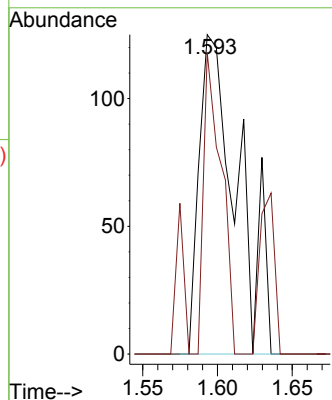
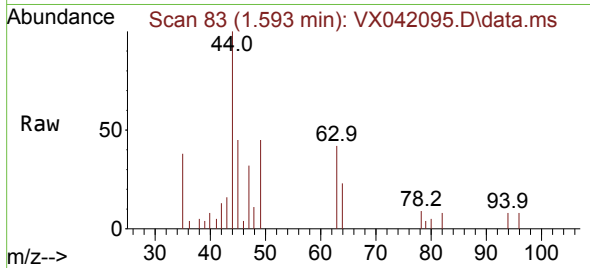




#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

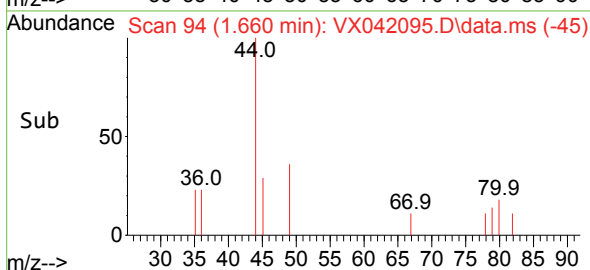
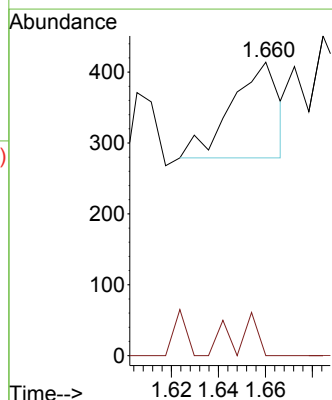
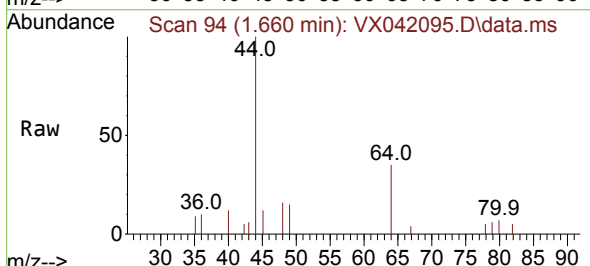
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

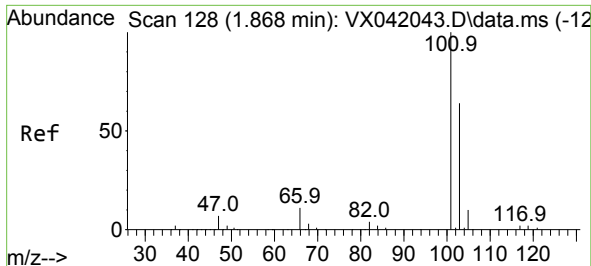
Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 94.4 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

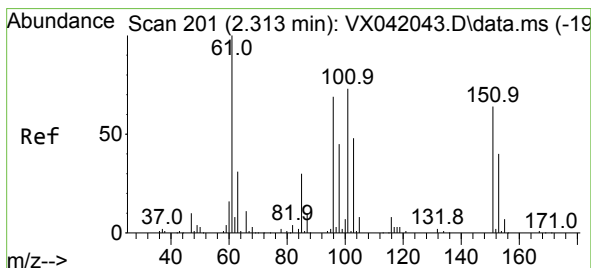
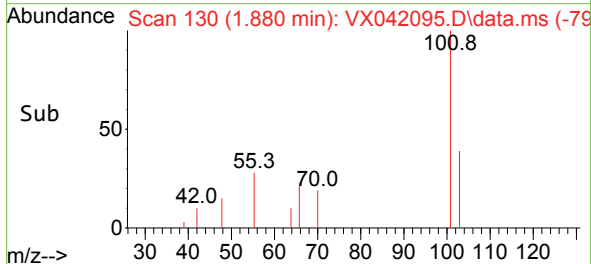
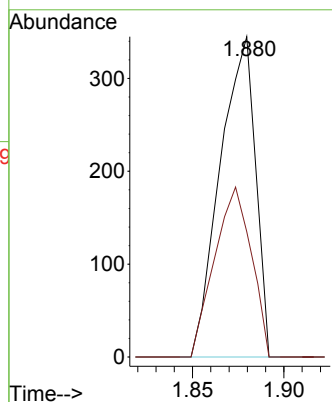
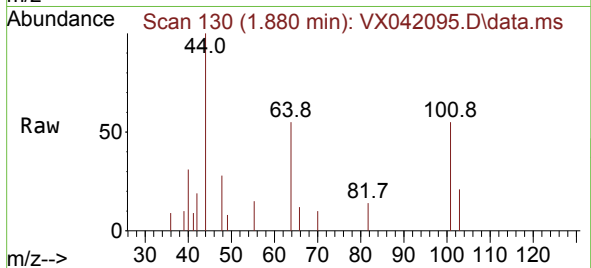




#7
Trichlorofluoromethane
Concen: 0.266 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

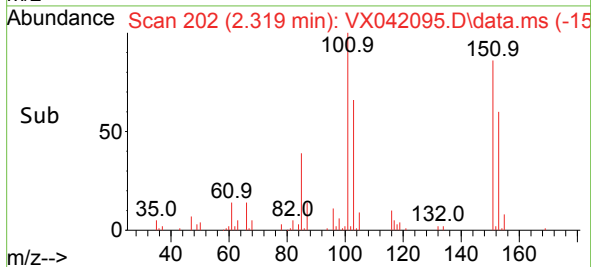
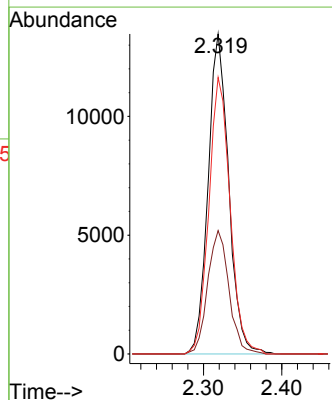
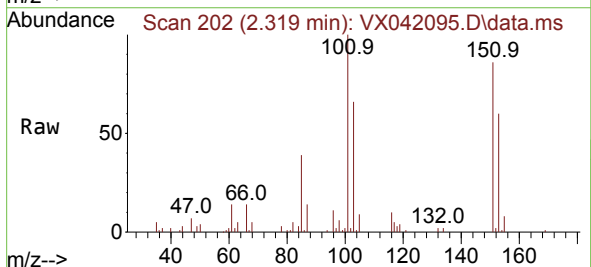
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

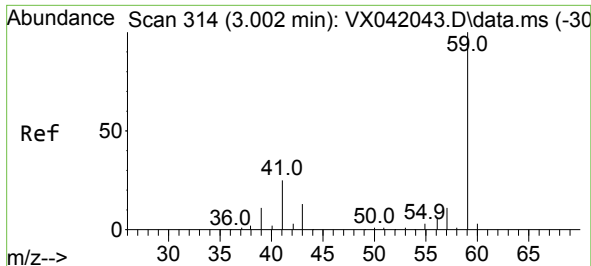
Tgt Ion:101 Resp: 463
Ion Ratio Lower Upper
101 100
103 39.1 51.4 77.2#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.454 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion:101 Resp: 24564
Ion Ratio Lower Upper
101 100
85 39.9 37.0 55.6
151 89.3 58.6 87.8#

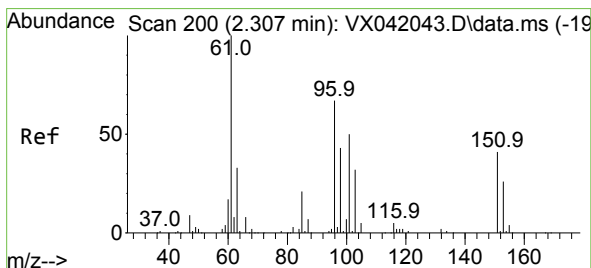
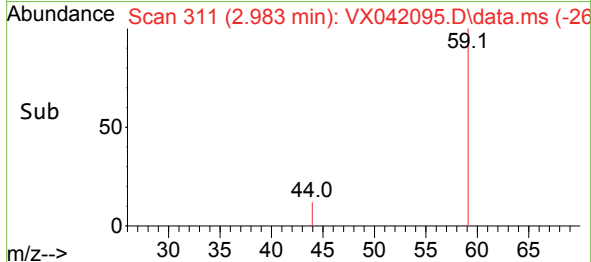
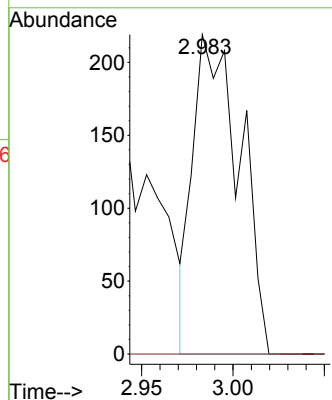
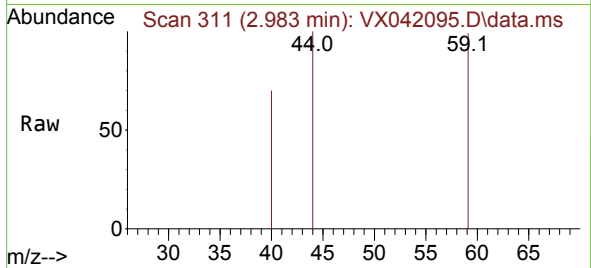




#11
Tert butyl alcohol
Concen: 1.280 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.024 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

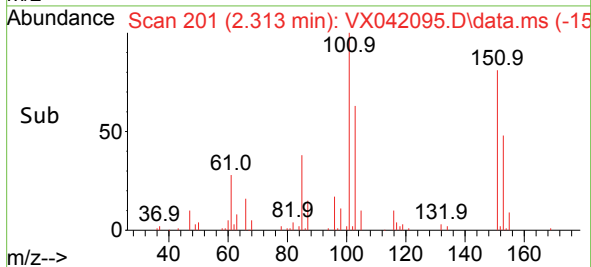
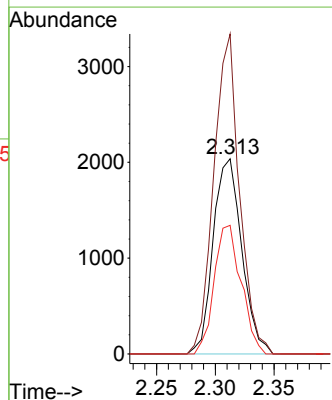
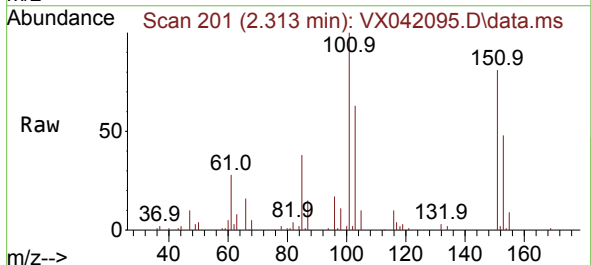
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BP-VPB-189-GW-625-627

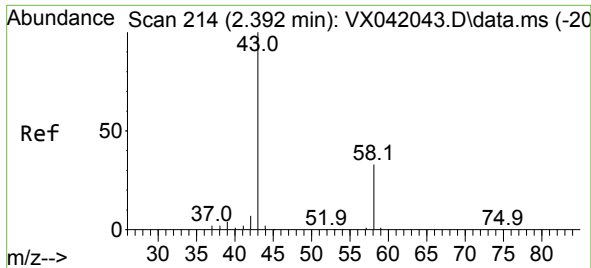
Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 2.883 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 96 Resp: 3454
Ion Ratio Lower Upper
96 100
61 164.0 144.6 216.8
98 65.9 50.4 75.6

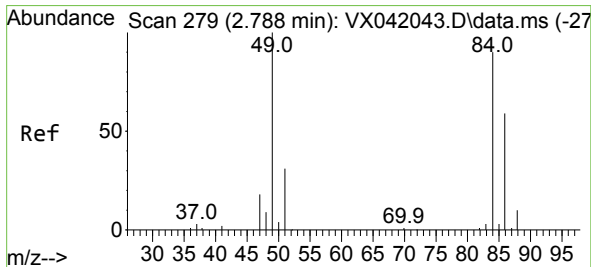
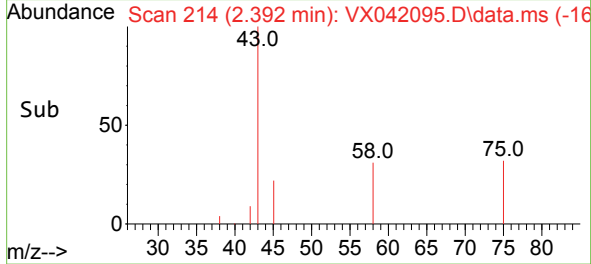
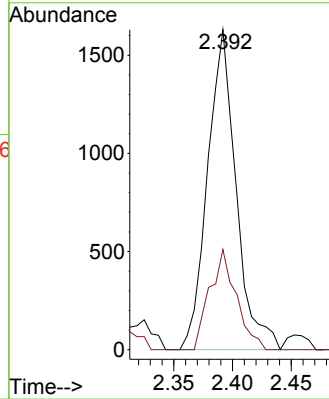
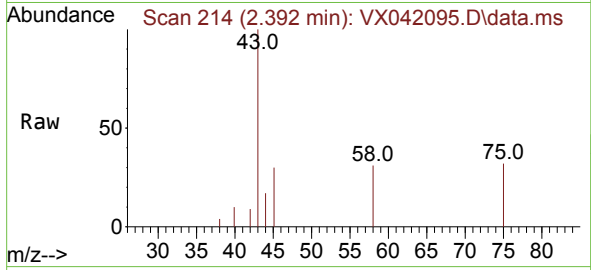




#16
Acetone
Concen: 3.926 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

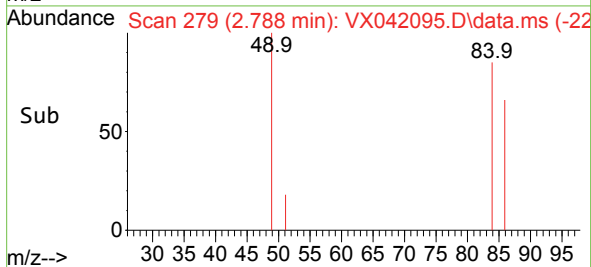
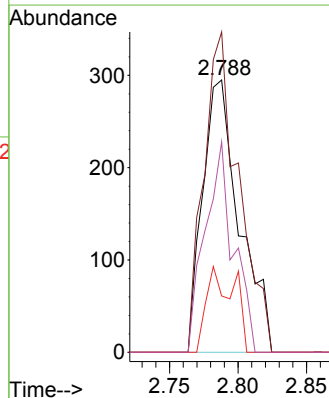
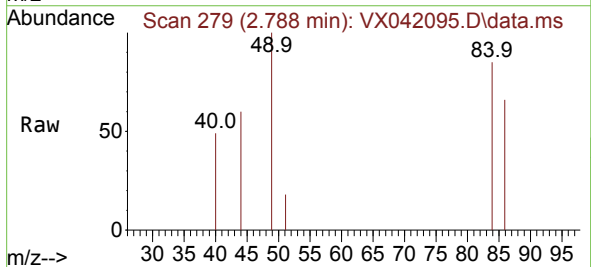
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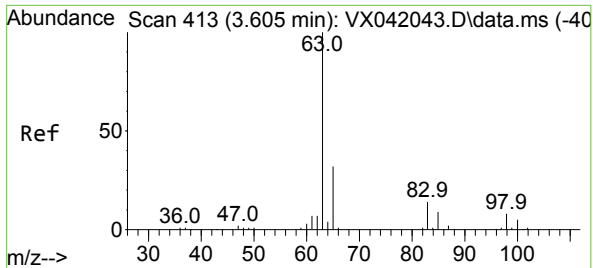
Tgt Ion: 43 Resp: 2761
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#20
Methylene Chloride
Concen: 0.358 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 84 Resp: 551
Ion Ratio Lower Upper
84 100
49 117.6 103.6 155.4
51 20.7 33.8 50.6#
86 77.3 49.4 74.0#





#24

1,1-Dichloroethane

Concen: 0.612 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX042095.D

Acq: 28 Jun 2024 18:58

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-625-627

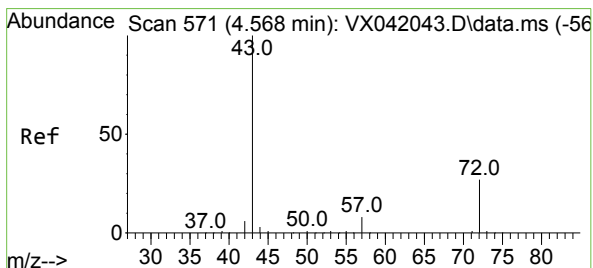
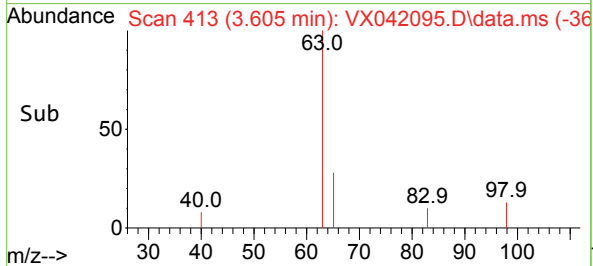
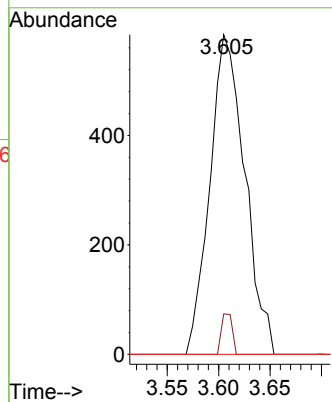
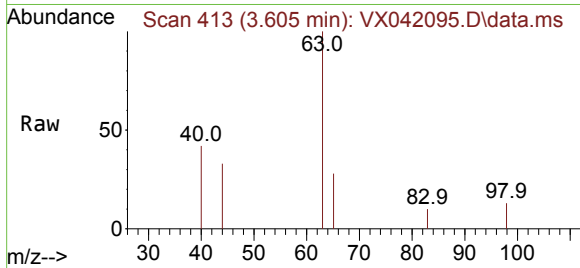
Tgt Ion: 63 Resp: 1377

Ion Ratio Lower Upper

63 100

98 12.7 3.3 9.8#

100 0.0 2.1 6.5#



#25

2-Butanone

Concen: 0.329 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.031 min

Lab File: VX042095.D

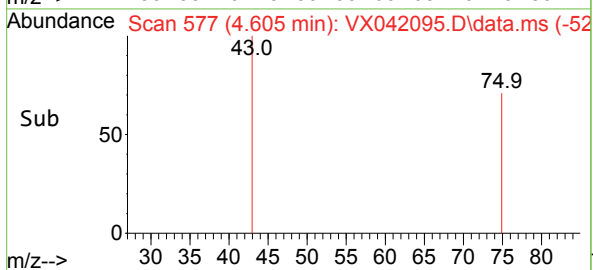
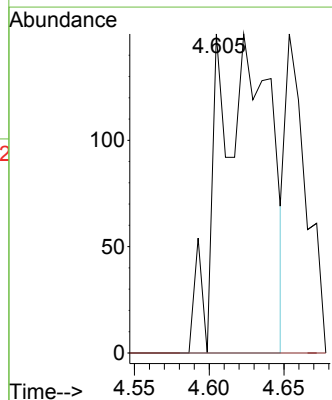
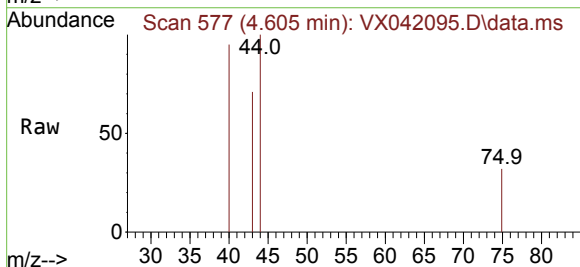
Acq: 28 Jun 2024 18:58

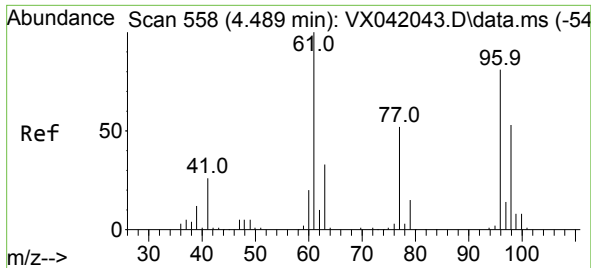
Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 4.257 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX042095.D

Acq: 28 Jun 2024 18:58

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-625-627

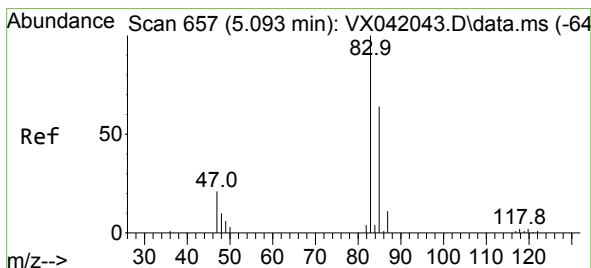
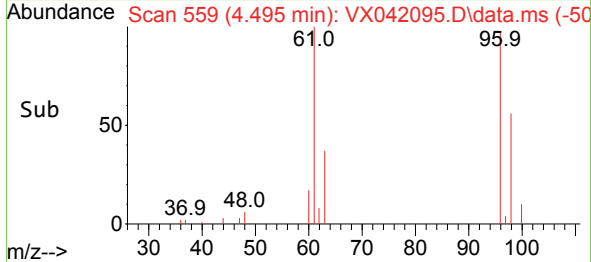
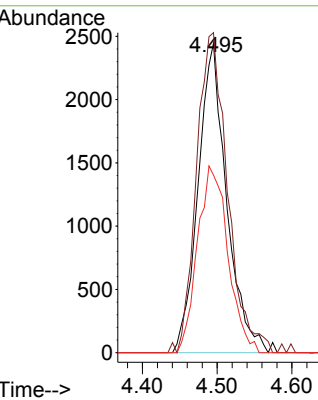
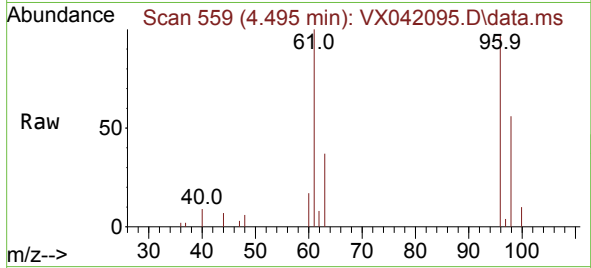
Tgt Ion: 96 Resp: 6482

Ion Ratio Lower Upper

96 100

61 112.4 0.0 312.2

98 64.2 0.0 129.0



#30

Chloroform

Concen: 0.473 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX042095.D

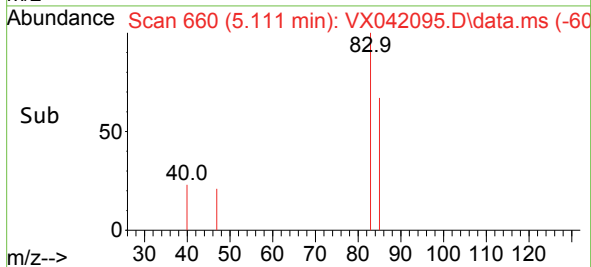
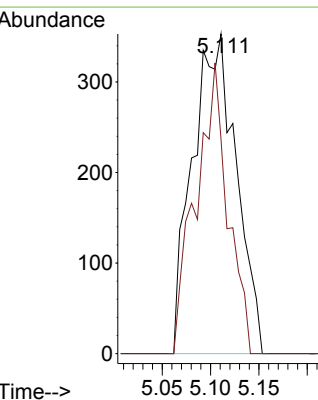
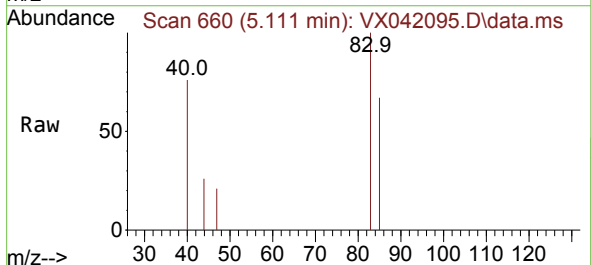
Acq: 28 Jun 2024 18:58

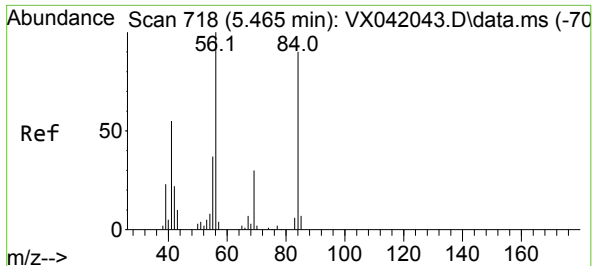
Tgt Ion: 83 Resp: 1108

Ion Ratio Lower Upper

83 100

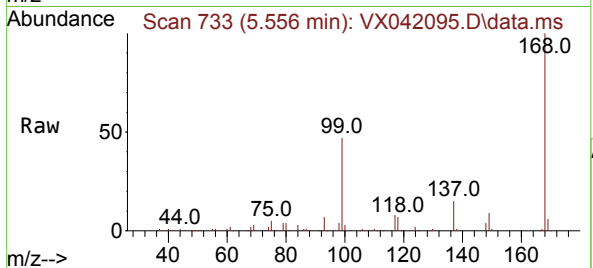
85 67.1 50.3 75.5



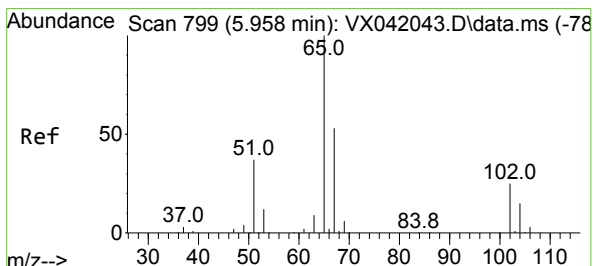
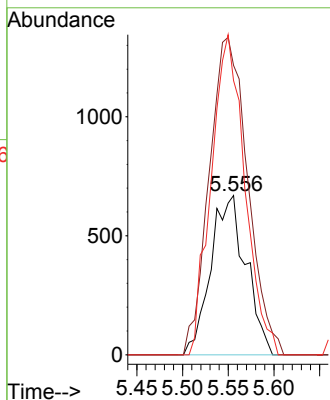
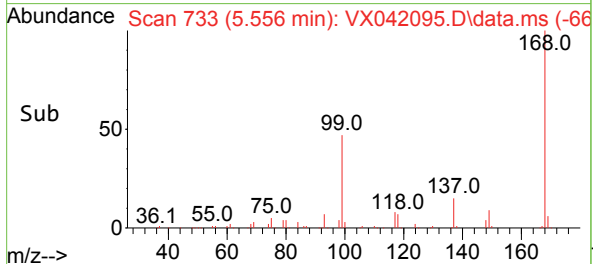


#31
Cyclohexane
Concen: 0.961 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

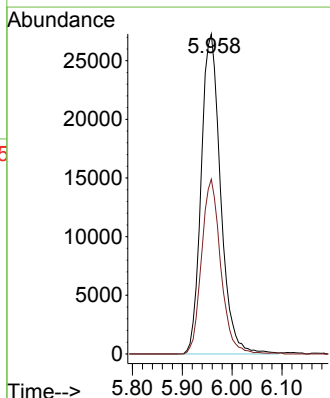
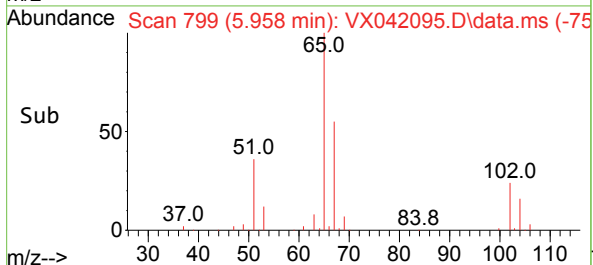
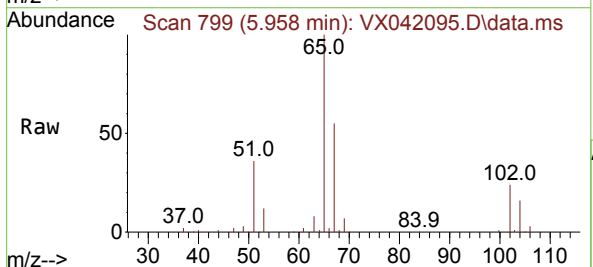


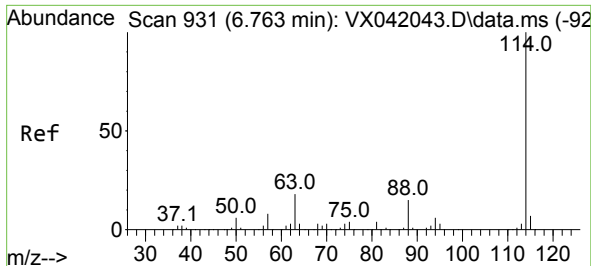
Tgt Ion: 56 Resp: 1800
Ion Ratio Lower Upper
56 100
69 181.8 23.4 35.2#
84 172.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.079 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 65 Resp: 73800
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2

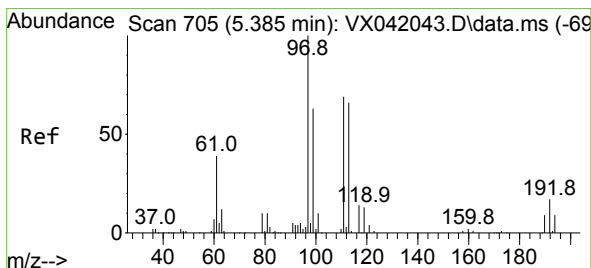
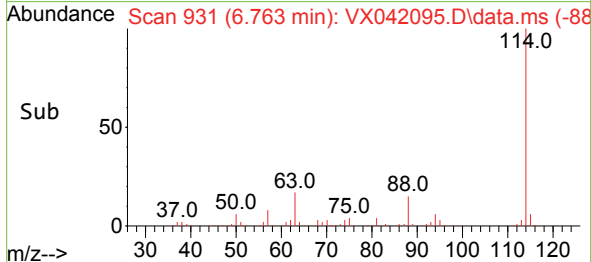
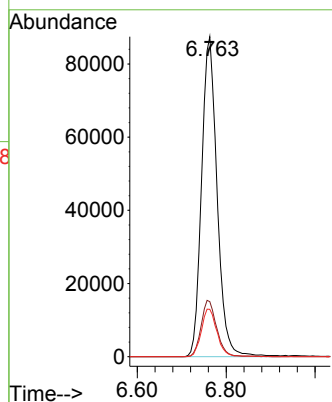
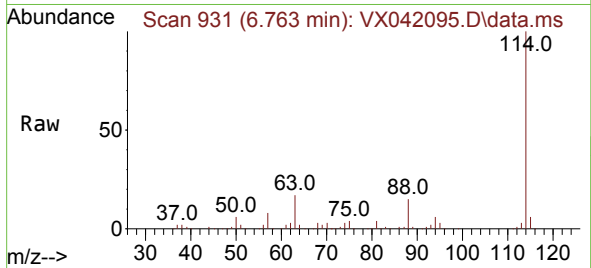




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

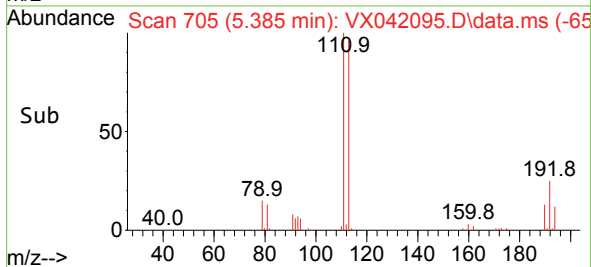
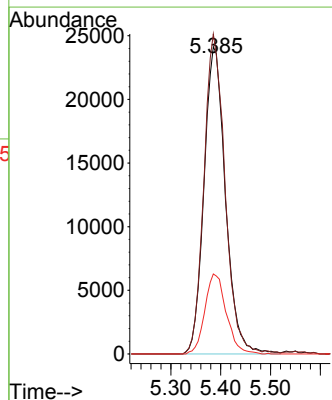
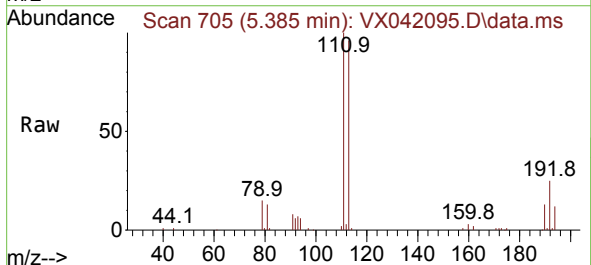
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

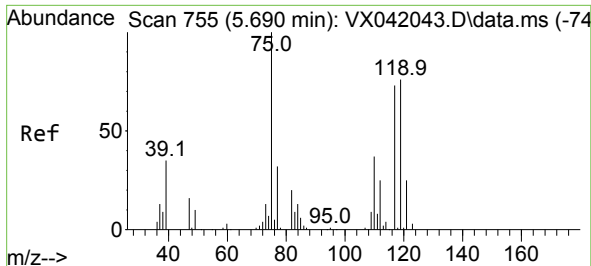
Tgt Ion:114 Resp: 212578
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.891 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion:113 Resp: 72237
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 26.0 13.3 19.9#

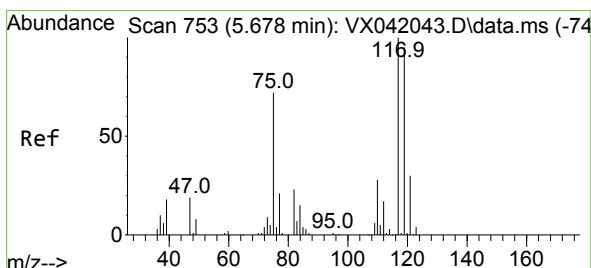
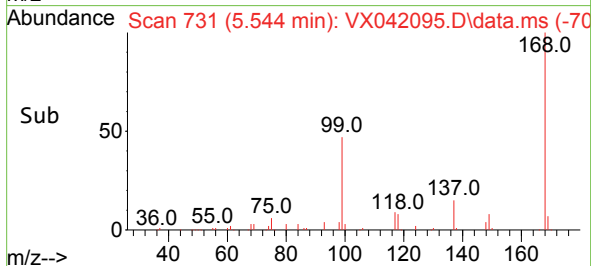
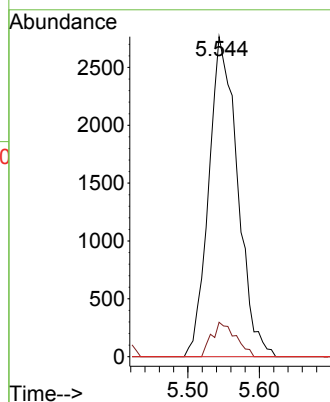
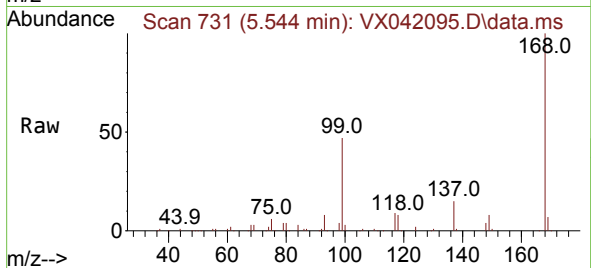




#36
1,1-Dichloropropene
Concen: 4.838 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

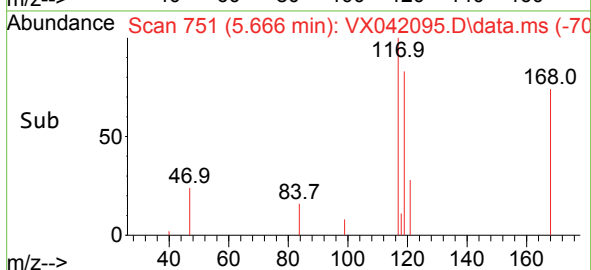
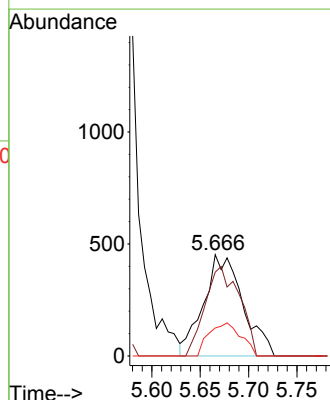
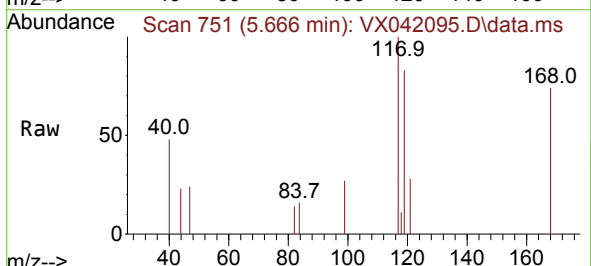
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

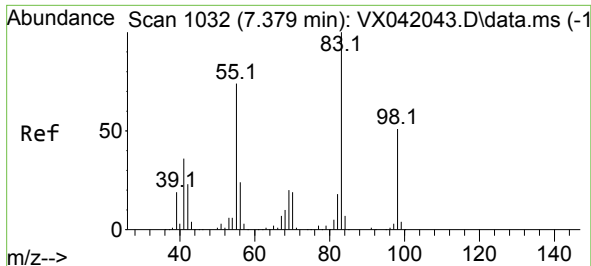
Tgt Ion: 75 Resp: 7749
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.718 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.012 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

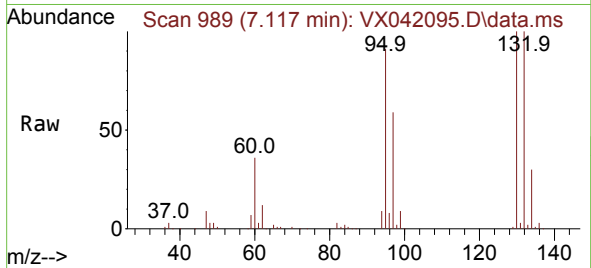
Tgt Ion: 117 Resp: 1270
Ion Ratio Lower Upper
117 100
119 82.7 78.2 117.2
121 27.7 24.4 36.6



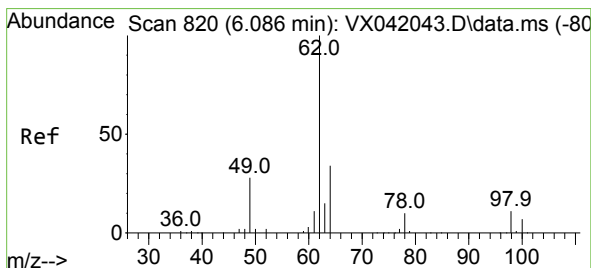
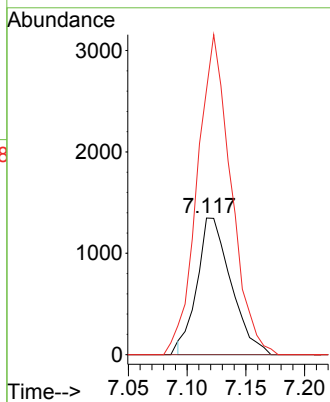
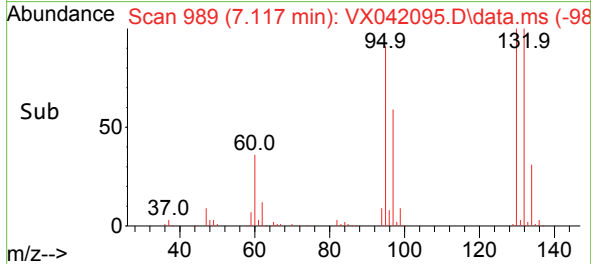


#39
Methylcyclohexane
Concen: 1.333 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

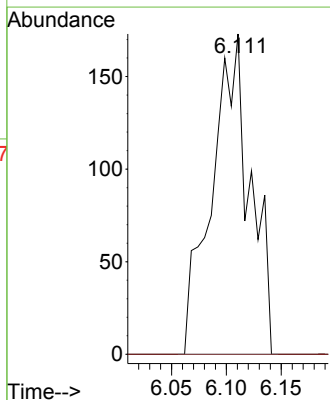
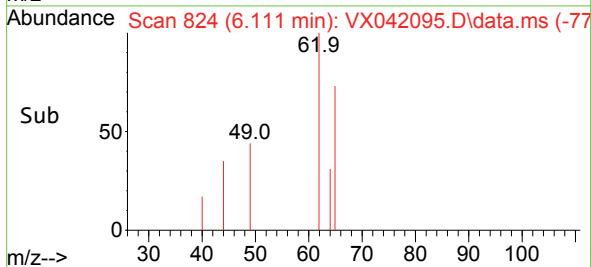
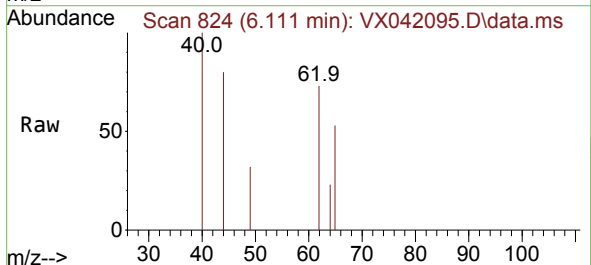


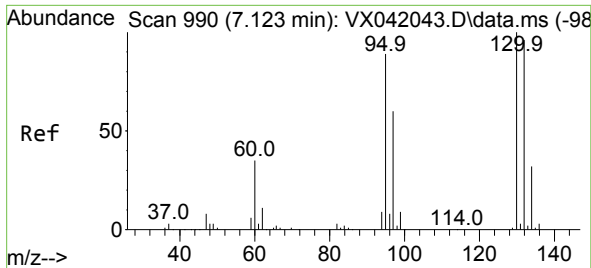
Tgt Ion: 83 Resp: 2700
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 193.9 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.243 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.024 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 62 Resp: 423
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

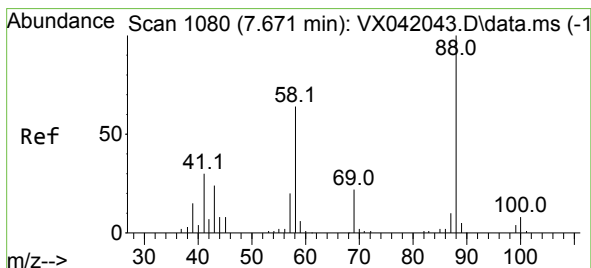
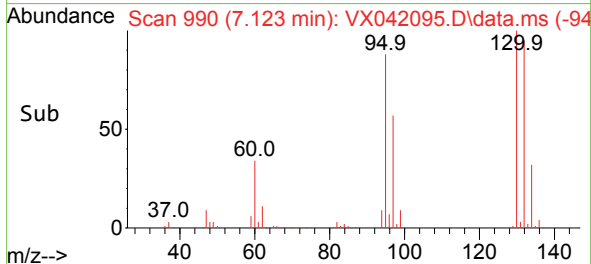
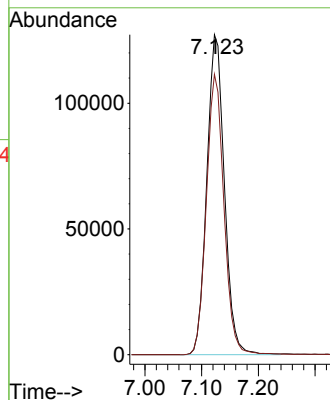
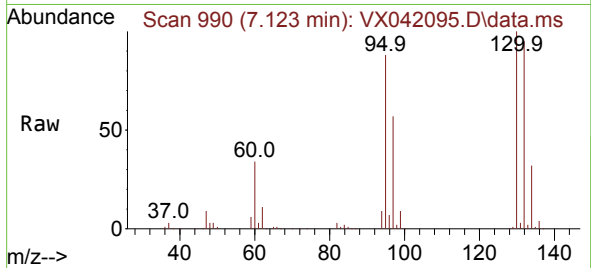




#44
Trichloroethene
Concen: 189.943 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

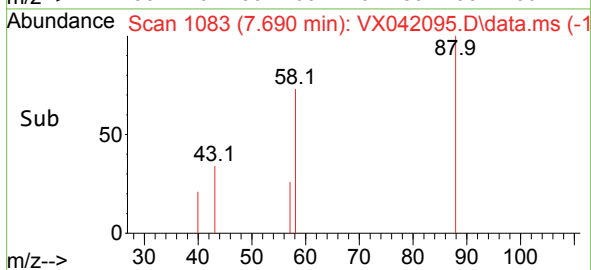
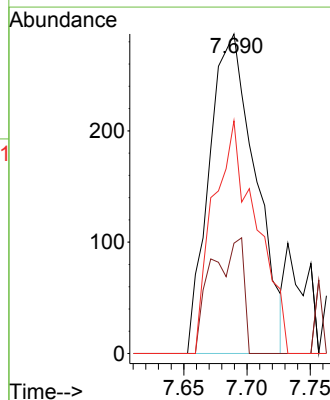
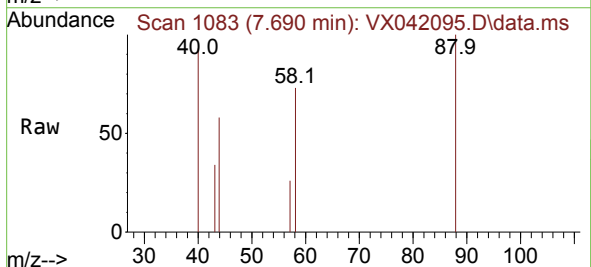
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

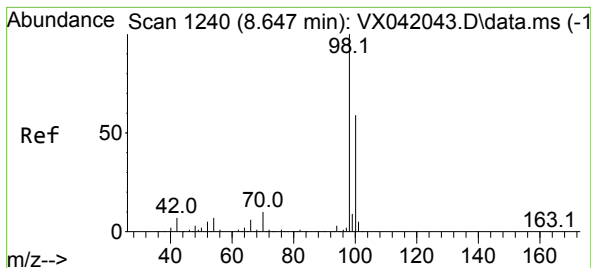
Tgt Ion:130 Resp: 275041
Ion Ratio Lower Upper
130 100
95 87.6 0.0 204.4



#49
1,4-Dioxane
Concen: 37.695 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 88 Resp: 733
Ion Ratio Lower Upper
88 100
43 24.7 0.0 0.0#
58 67.8 60.1 90.1





#50

Toluene-d8

Concen: 50.769 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042095.D

Acq: 28 Jun 2024 18:58

Instrument :

MSVOA_X

ClientSampleId :

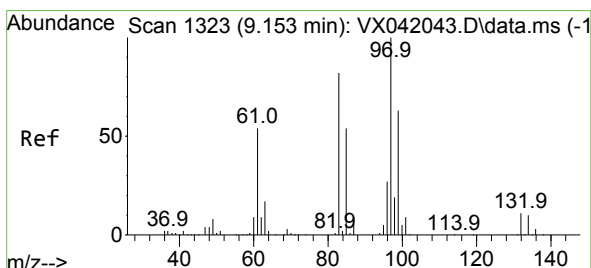
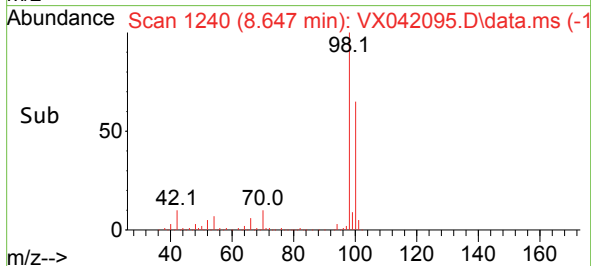
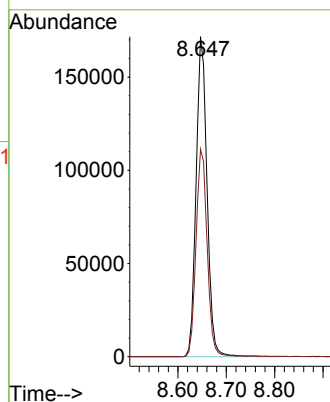
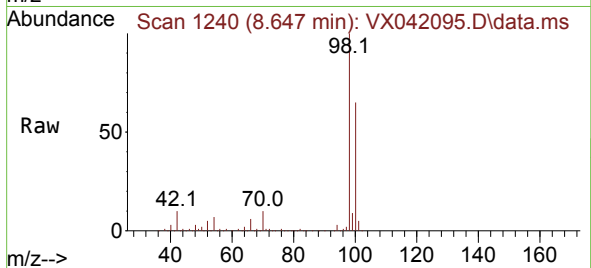
BP-VPB-189-GW-625-627

Tgt Ion: 98 Resp: 269021

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 0.331 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX042095.D

Acq: 28 Jun 2024 18:58

Tgt Ion: 97 Resp: 474

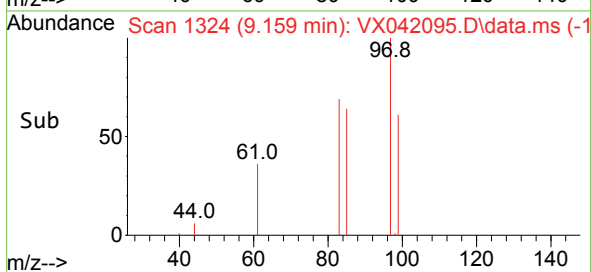
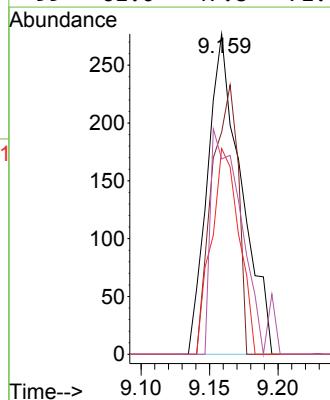
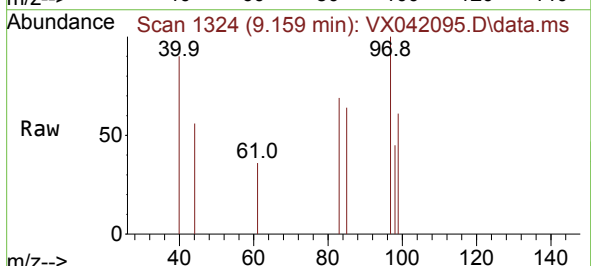
Ion Ratio Lower Upper

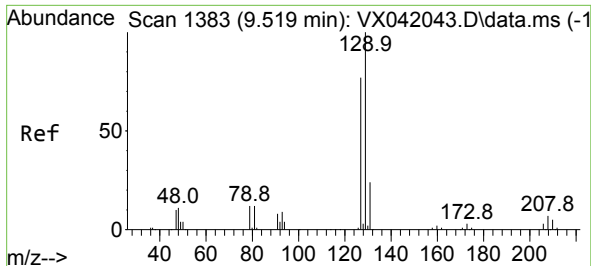
97 100

83 69.3 65.8 98.8

85 64.3 41.6 62.4#

99 61.0 47.8 71.8

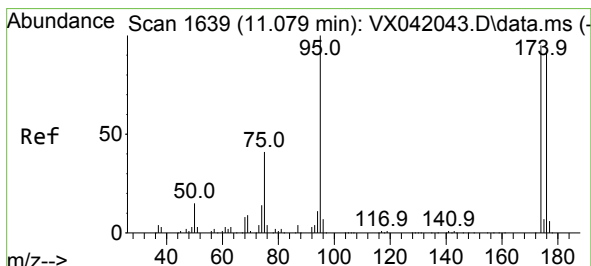
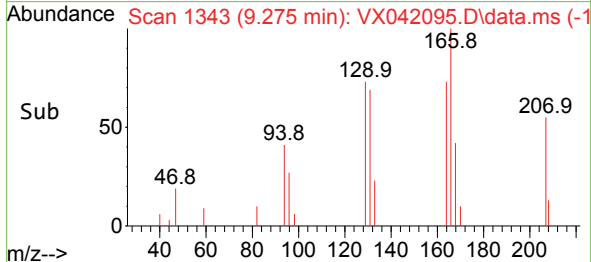
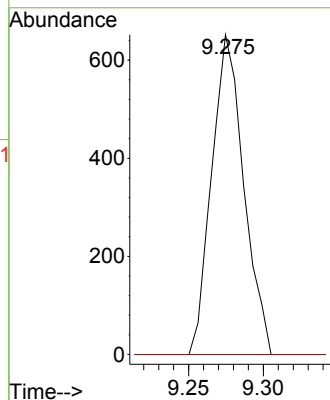
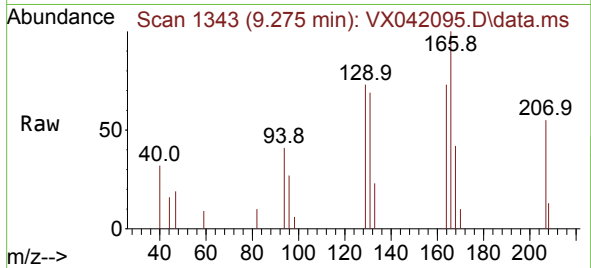




#60
Dibromochloromethane
Concen: 0.624 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

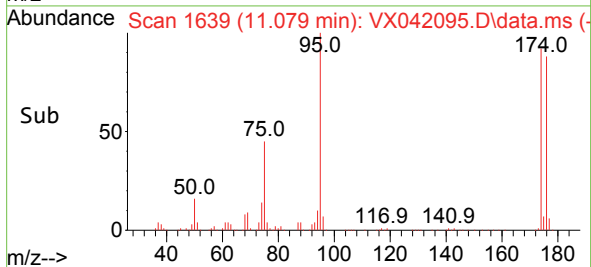
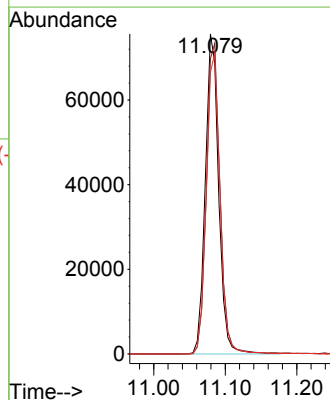
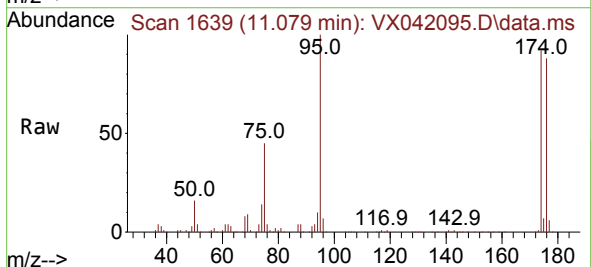
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

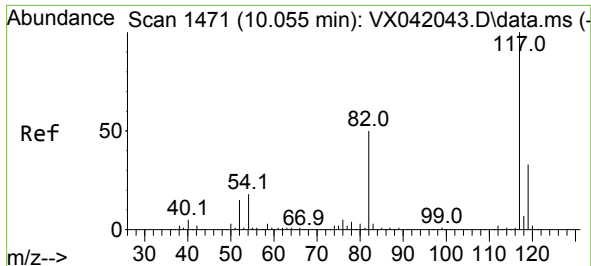
Tgt Ion:129 Resp: 971
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 95 Resp: 98197
Ion Ratio Lower Upper
95 100
174 99.4 0.0 135.6
176 96.9 0.0 131.0

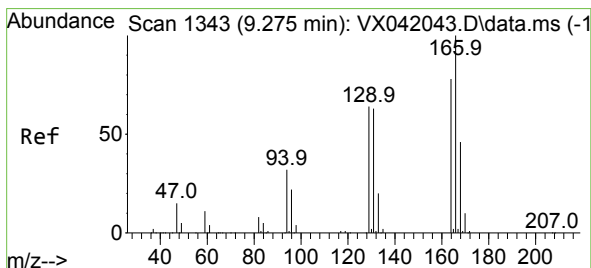
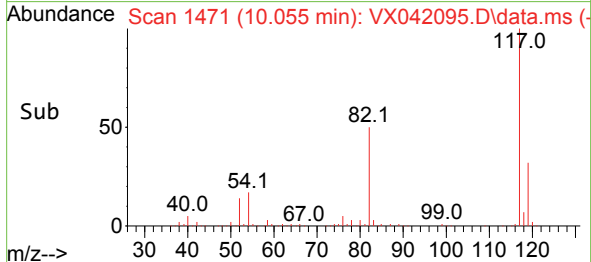
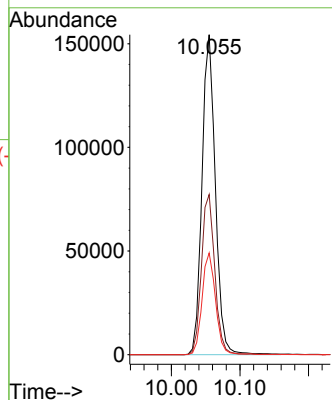
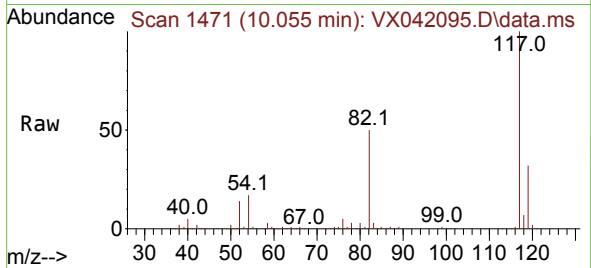




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

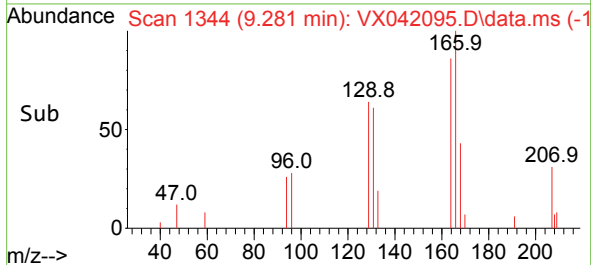
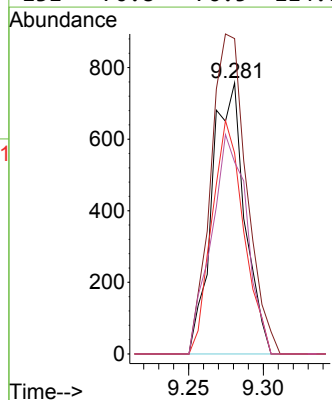
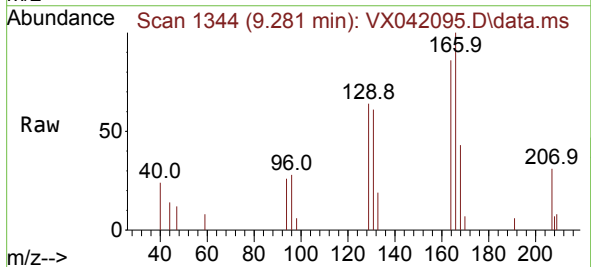
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

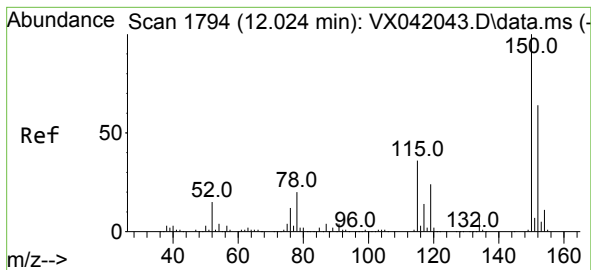
Tgt Ion:117	Resp:	209881
Ion	Ratio	Lower Upper
117	100	
82	50.0	46.2 69.4
119	31.8	25.5 38.3



#64
Tetrachloroethene
Concen: 0.753 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion:164	Resp:	1151
Ion	Ratio	Lower Upper
164	100	
166	116.4	102.7 154.1
129	74.1	80.4 120.6#
131	70.8	76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042095.D

Acq: 28 Jun 2024 18:58

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-625-627

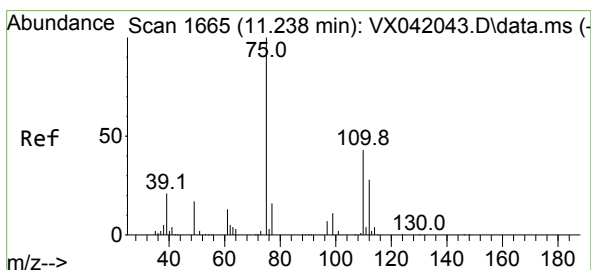
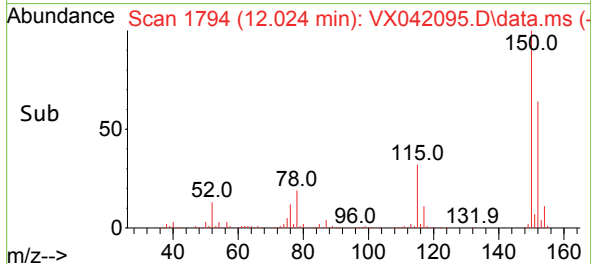
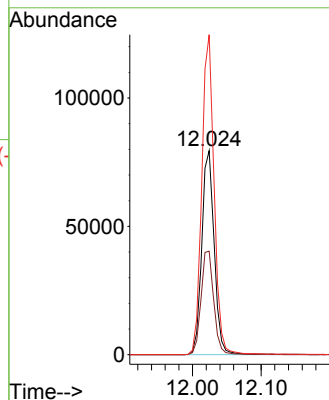
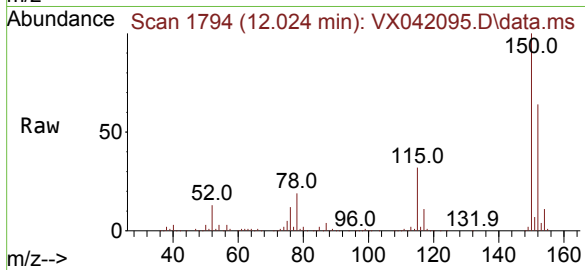
Tgt Ion:152 Resp: 100783

Ion Ratio Lower Upper

152 100

115 51.8 43.3 129.9

150 155.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.502 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042095.D

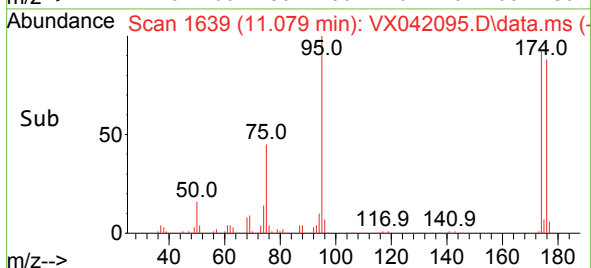
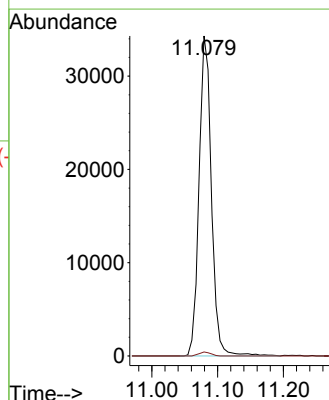
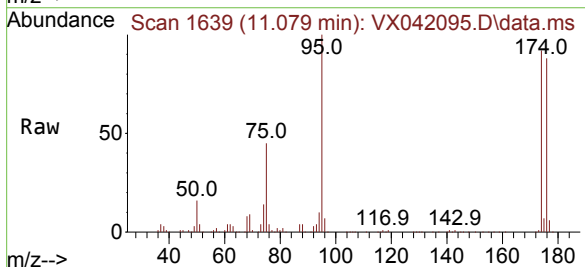
Acq: 28 Jun 2024 18:58

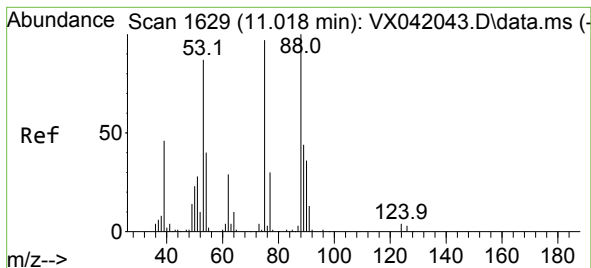
Tgt Ion: 75 Resp: 44829

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

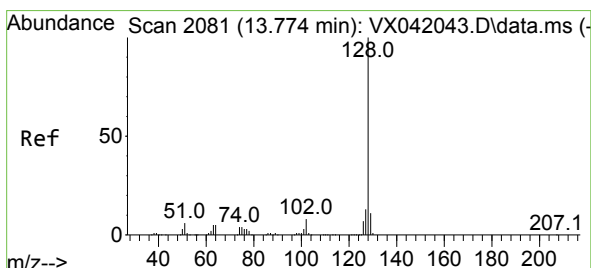
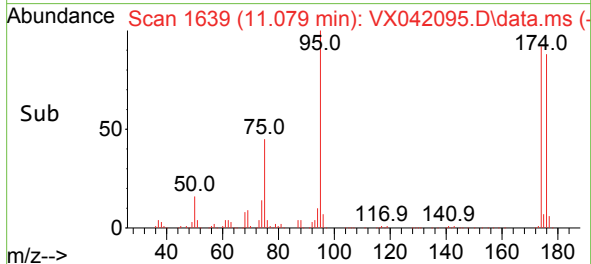
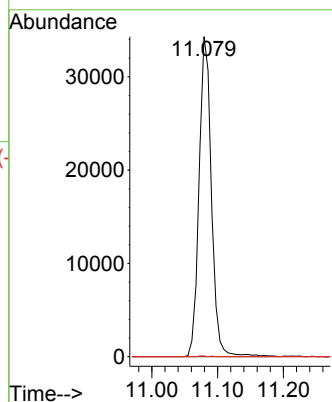
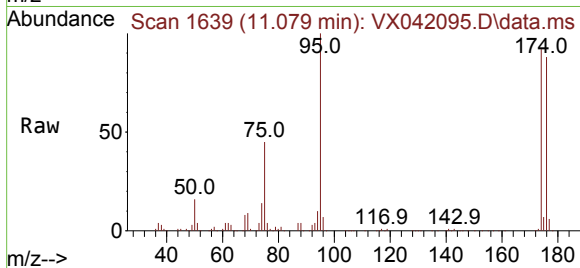




#81
trans-1,4-Dichloro-2-butene
Concen: 69.583 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-625-627

Tgt Ion: 75 Resp: 44829
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 0.804 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX042095.D
Acq: 28 Jun 2024 18:58

Tgt Ion: 128 Resp: 409
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

